

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	"532396".ap.	US-PGPUB; USPAT	OR	OFF	2008/08/31 20:57
L2	3	"532396".ap. and direction	US-PGPUB; USPAT	OR	ON	2008/08/31 20:58
L3	1	"532396".ap. and directivity	US-PGPUB; USPAT	OR	ON	2008/08/31 21:10
L4	0	yanagawa-hirobumi\$.in.	US-PGPUB; USPAT	OR	ON	2008/08/31 21:26
L5	0	hirobumi-yanagawa\$.in.	US-PGPUB; USPAT	OR	ON	2008/08/31 21:27
L6	0	hirobumi-yanagawa\$.in.	EPO; JPO; DERWENT	OR	ON	2008/08/31 21:27
L7	19	yanagawa-hirobumi\$.in.	EPO; JPO; DERWENT	OR	ON	2008/08/31 21:28
L8	12	yanagawa-\$.in. and "381"/\$.cols.	US-PGPUB; USPAT	OR	ON	2008/08/31 21:34
L9	3	("5052685"   "5233664").PN. OR ("5953432").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/31 21:35
L10	28	("4399328"   "4472834"   "4845759").PN. OR ("5233664").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/31 21:36
L11	12	("5146507"   "5233664"   "5581618"   "5789689"   "5809150"   "5974152"   "6332026"   "6546105"   "6754352"   "7003124"   "7027600"   "7116788").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/31 21:38

L12	56	("20020126854"   "20020131608"   "20020159336"   "20030091203"   "20040151325"   "20050041530"   "20050089182"   "3992586"   "3996561"   "4042778"   "4190739"   "4305296"   "4330691"   "4332018"   "4388493"   "4472834"   "4515997"   "4518889"   "4653505"   "4769848"   "4773096"   "4972381"   "4980871"   "4984273"   "5051799"   "5131051"   "5166905"   "5227591"   "5233664"   "5287531"   "5313172"   "5313300"   "5438624"   "5488956"   "5517200"   "5745435"   "5751821"   "5763785"   "5832097"   "5834647"   "5841394"   "5859915"   "5867123"   "5885129"   "5963432"   "6005642"   "6084974"   "6122223"   "6128395"   "6154553"   "6169806"   "6243476"   "6294905"   "6373955"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/31 21:42
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		"6967541"   "7092541").PN.				
L13	26	("3585311"   "3665105"   "3992582"   "4039755"   "4061876"   "4186643"   "4349697").PN. OR ("4472834").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2008/08/31 21:48
L14	3	("5052685"   "5233664").PN. OR ("5953432").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2008/08/31 21:53
L15	3	"5233664".pn. "5953432".pn. "20040151325".pn.	US-PGPUB; USPAT; USOOR	OR	OFF	2008/08/31 21:54
L16	3	15 and (center\$4 centre\$4 speech voice)	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/31 21:56

8/31/2008 10:16:47 PM